

INKJET PRINTER, INK PUMP MECHANISM AND ACTUATORAbstract of the Disclosure

5 An inkjet printer, utilising at least one ink reservoir having a pump
chamber, includes an ink pumping mechanism for pressurising the chamber,
the pumping mechanism including an actuator that is biased to pressurise the
chamber and that is acted on by a cam to release the pressure. The actuator
can include an opening through which the camshaft extends, and the cam can
10 be accommodated within the opening and can engage a cam follower formed
on an inner wall of the opening. The bias may be a compression spring
mounted in a drop-in manner within a guide element for the actuator. The cam
and spring can act directly on the actuator, and a single actuator element can
pressurise the chamber, act as a cam follower and include an out-of-ink trigger
15 thereon.